

# SEQUENCE LISTING

caa atc ctg ggt gtc aaa gcc tct agg ttt ctt tgc caa cag cca gat 337  
Gln Ile Leu Gly Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp

[illegible]

95	100	105	
gga gct ctc tat gga tcg cct cac ttt gat cct gag gcc tgc agc ttc			385
Gly Ala Leu Tyr Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe			
110	115	120	
aga gaa ctg ctg ctg gag gac ggt tac aat gtg tac cag tct gaa gcc			433
Arg Glu Leu Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala			
125	130	135	140
cat ggc ctg ccc ctg cgt ctg cct cag aag gac tcc cca aac cag gat			481
His Gly Leu Pro Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp			
	145	150	155
gca aca tcc tgg gga cct gtg cgc ttc ctg ccc atg cca ggc ctg ctc			529
Ala Thr Ser Trp Gly Pro Val Arg Phe Leu Pro Met Pro Gly Leu Leu			
	160	165	170
cac gag ccc caa gac caa gca gga ttc ctg ccc cca gag ccc cca gat			577
His Glu Pro Gln Asp Gln Ala Gly Phe Leu Pro Pro Glu Pro Pro Asp			
	175	180	185
gtg ggc tcc tct gac ccc ctg agc atg gta gag cct tta cag ggc cga			625
Val Gly Ser Ser Asp Pro Leu Ser Met Val Glu Pro Leu Gln Gly Arg			
	190	195	200
agc ccc agc tat gcg tcc tga ctcttcctga atc			659
Ser Pro Ser Tyr Ala Ser *			
205	210		

<210> 2  
 <211> 210  
 <212> PRT  
 <213> Mus musculus

<400> 2  
 Met Glu Trp Met Arg Ser Arg Val Gly Thr Leu Gly Leu Trp Val Arg  
 1 5 10 15  
 Leu Leu Leu Ala Val Phe Leu Leu Gly Val Tyr Gln Ala Tyr Pro Ile  
 20 25 30  
 Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln Arg  
 35 40 45  
 Tyr Leu Tyr Thr Asp Asp Asp Gln Asp Thr Glu Ala His Leu Glu Ile  
 50 55 60  
 Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser Pro Glu Ser  
 65 70 75 80  
 Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly  
 85 90 95  
 Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp Gly Ala Leu Tyr  
 100 105 110  
 Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu  
 115 120 125  
 Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro

130                      135                      140  
 Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp Ala Thr Ser Trp  
 145                      150                      155                      160  
 Gly Pro Val Arg Phe Leu Pro Met Pro Gly Leu Leu His Glu Pro Gln  
                     165                      170                      175  
 Asp Gln Ala Gly Phe Leu Pro Pro Glu Pro Pro Asp Val Gly Ser Ser  
                     180                      185                      190  
 Asp Pro Leu Ser Met Val Glu Pro Leu Gln Gly Arg Ser Pro Ser Tyr  
                     195                      200                      205  
 Ala Ser  
 210

<210> 3  
 <211> 643  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> CDS  
 <222> (9)...(638)

<400> 3  
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                     Met Asp Ser Asp Glu Thr Gly Phe Glu His Ser Gly Leu Trp  
                     1                      5                      10  
  
 gtt tct gtg ctg gct ggt ctt ctg ctg gga gcc tgc cag gca cac ccc 98  
 Val Ser Val Leu Ala Gly Leu Leu Leu Gly Ala Cys Gln Ala His Pro  
 15                      20                      25                      30  
  
 atc cct gac tcc agt cct ctc ctg caa ttc ggg ggc caa gtc cgg cag 146  
 Ile Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln  
                     35                      40                      45  
  
 cgg tac ctc tac aca gat gat gcc cag cag aca gaa gcc cac ctg gag 194  
 Arg Tyr Leu Tyr Thr Asp Asp Ala Gln Gln Thr Glu Ala His Leu Glu  
                     50                      55                      60  
  
 atc agg gag gat ggg acg gtg ggg ggc gct gct gac cag agc ccc gaa 242  
 Ile Arg Glu Asp Gly Thr Val Gly Gly Ala Ala Asp Gln Ser Pro Glu  
                     65                      70                      75  
  
 agt ctc ctg cag ctg aaa gcc ttg aag ccg gga gtt att caa atc ttg 290  
 Ser Leu Leu Gln Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu  
                     80                      85                      90  
  
 gga gtc aag aca tcc agg ttc ctg tgc cag cgg cca gat ggg gcc ctg 338  
 Gly Val Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro Asp Gly Ala Leu  
                     95                      100                      105                      110  
  
 tat gga tcg ctc cac ttt gac cct gag gcc tgc agc ttc cgg gag ctg 386  
 Tyr Gly Ser Leu His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu  
                     115                      120                      125

130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210

ctt ctt gag gac gga tac aat gtt tac cag tcc gaa gcc cac ggc ctc 434  
 Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu  
 130 135 140  
  
 ccg ctg cac ctg cca ggg aac aag tcc cca cac cgg gac cct gca ccc 482  
 Pro Leu His Leu Pro Gly Asn Lys Ser Pro His Arg Asp Pro Ala Pro  
 145 150 155  
  
 cga gga cca gct cgc ttc ctg cca cta cca ggc ctg ccc ccc gca ctc 530  
 Arg Gly Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu Pro Pro Ala Leu  
 160 165 170  
  
 ccg gag cca ccc gga atc ctg gcc ccc cag ccc ccc gat gtg ggc tcc 578  
 Pro Glu Pro Pro Gly Ile Leu Ala Pro Gln Pro Pro Asp Val Gly Ser  
 175 180 185 190  
  
 tcg gac cct ctg agc atg gtg gga cct tcc cag ggc cga agc ccc agc 626  
 Ser Asp Pro Leu Ser Met Val Gly Pro Ser Gln Gly Arg Ser Pro Ser  
 195 200 205  
  
 tac gct tcc tga agcca 643  
 Tyr Ala Ser \*

<210> 4  
 <211> 209  
 <212> PRT  
 <213> Homo sapiens

<400> 4  
 Met Asp Ser Asp Glu Thr Gly Phe Glu His Ser Gly Leu Trp Val Ser  
 1 5 10 15  
 Val Leu Ala Gly Leu Leu Leu Gly Ala Cys Gln Ala His Pro Ile Pro  
 20 25 30  
 Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln Arg Tyr  
 35 40 45  
 Leu Tyr Thr Asp Asp Ala Gln Gln Thr Glu Ala His Leu Glu Ile Arg  
 50 55 60  
 Glu Asp Gly Thr Val Gly Gly Ala Ala Asp Gln Ser Pro Glu Ser Leu  
 65 70 75 80  
 Leu Gln Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly Val  
 85 90 95  
 Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro Asp Gly Ala Leu Tyr Gly  
 100 105 110  
 Ser Leu His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu Leu  
 115 120 125  
 Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro Leu  
 130 135 140  
 His Leu Pro Gly Asn Lys Ser Pro His Arg Asp Pro Ala Pro Arg Gly  
 145 150 155 160  
 Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu Pro Pro Ala Leu Pro Glu  
 165 170 175

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<210> 9
<211> 218
<212> PRT
<213> Mus musculus
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&lt;400&gt; 9

Met Ala Arg Lys Trp Asn Gly Arg Ala Val Ala Arg Ala Leu Val Leu  
 1 5 10 15  
 Ala Thr Leu Trp Leu Ala Val Ser Gly Arg Pro Leu Ala Gln Gln Ser  
 20 25 30  
 Gln Ser Val Ser Asp Glu Asp Pro Leu Phe Leu Tyr Gly Trp Gly Lys  
 35 40 45  
 Ile Thr Arg Leu Gln Tyr Leu Tyr Ser Ala Gly Pro Tyr Val Ser Asn  
 50 55 60  
 Cys Phe Leu Arg Ile Arg Ser Asp Gly Ser Val Asp Cys Glu Glu Asp  
 65 70 75 80  
 Gln Asn Glu Arg Asn Leu Leu Glu Phe Arg Ala Val Ala Leu Lys Thr  
 85 90 95  
 Ile Ala Ile Lys Asp Val Ser Ser Val Arg Tyr Leu Cys Met Ser Ala  
 100 105 110  
 Asp Gly Lys Ile Tyr Gly Leu Ile Arg Tyr Ser Glu Glu Asp Cys Thr  
 115 120 125  
 Phe Arg Glu Glu Met Asp Cys Leu Gly Tyr Asn Gln Tyr Arg Ser Met  
 130 135 140  
 Lys His His Leu His Ile Ile Phe Ile Gln Ala Lys Pro Arg Glu Gln  
 145 150 155 160  
 Leu Gln Asp Gln Lys Pro Ser Asn Phe Ile Pro Val Phe His Arg Ser  
 165 170 175  
 Phe Phe Glu Thr Gly Asp Gln Leu Arg Ser Lys Met Phe Ser Leu Pro  
 180 185 190  
 Leu Glu Ser Asp Ser Met Asp Pro Phe Arg Met Val Glu Asp Val Asp  
 195 200 205  
 His Leu Val Lys Ser Pro Ser Phe Gln Lys  
 210 215

&lt;210&gt; 10

&lt;211&gt; 216

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 10

Met Arg Ser Gly Cys Val Val Val His Val Trp Ile Leu Ala Gly Leu  
 1 5 10 15  
 Trp Leu Ala Val Ala Gly Arg Pro Leu Ala Phe Ser Asp Ala Gly Pro  
 20 25 30  
 His Val His Tyr Gly Trp Gly Asp Pro Ile Arg Leu Arg His Leu Tyr  
 35 40 45  
 Thr Ser Gly Pro His Gly Leu Ser Ser Cys Phe Leu Arg Ile Arg Ala  
 50 55 60  
 Asp Gly Val Val Asp Cys Ala Arg Gly Gln Ser Ala His Ser Leu Leu  
 65 70 75 80  
 Glu Ile Lys Ala Val Ala Leu Arg Thr Val Ala Ile Lys Gly Val His  
 85 90 95  
 Ser Val Arg Tyr Leu Cys Met Gly Ala Asp Gly Lys Met Gln Gly Leu  
 100 105 110  
 Leu Gln Tyr Ser Glu Glu Asp Cys Ala Phe Glu Glu Glu Ile Arg Pro  
 115 120 125

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<210> 11
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Residues which contain the anitgenic determinant
      recognized by the myc monoclonal antibody.

<400> 11
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
 1             5             10

<210> 12
<211> 5
<212> PRT
<213> Unknown

<220>
<223> Preferred thrombin cleave site.

<400> 12
Leu Val Pro Arg Gly
 1             5

<210> 13
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Residues which bind to paramagnetic streptavidin
      beads (used for purification).

<400> 13
Ser Ala Trp Arg His Pro Gln Phe Gly Gly
 1             5             10

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<210> 14  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<400> 14  
 Arg Pro Tyr Asp Gly Tyr Asn  
 1 5

<210> 15  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 15  
 Leu Pro Met Leu Pro Met  
 1 5

<210> 16  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 16  
 Arg Pro Asp Gly Tyr Asn  
 1 5

<210> 17  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 17  
 His Phe Leu Pro Met Leu  
 1 5

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